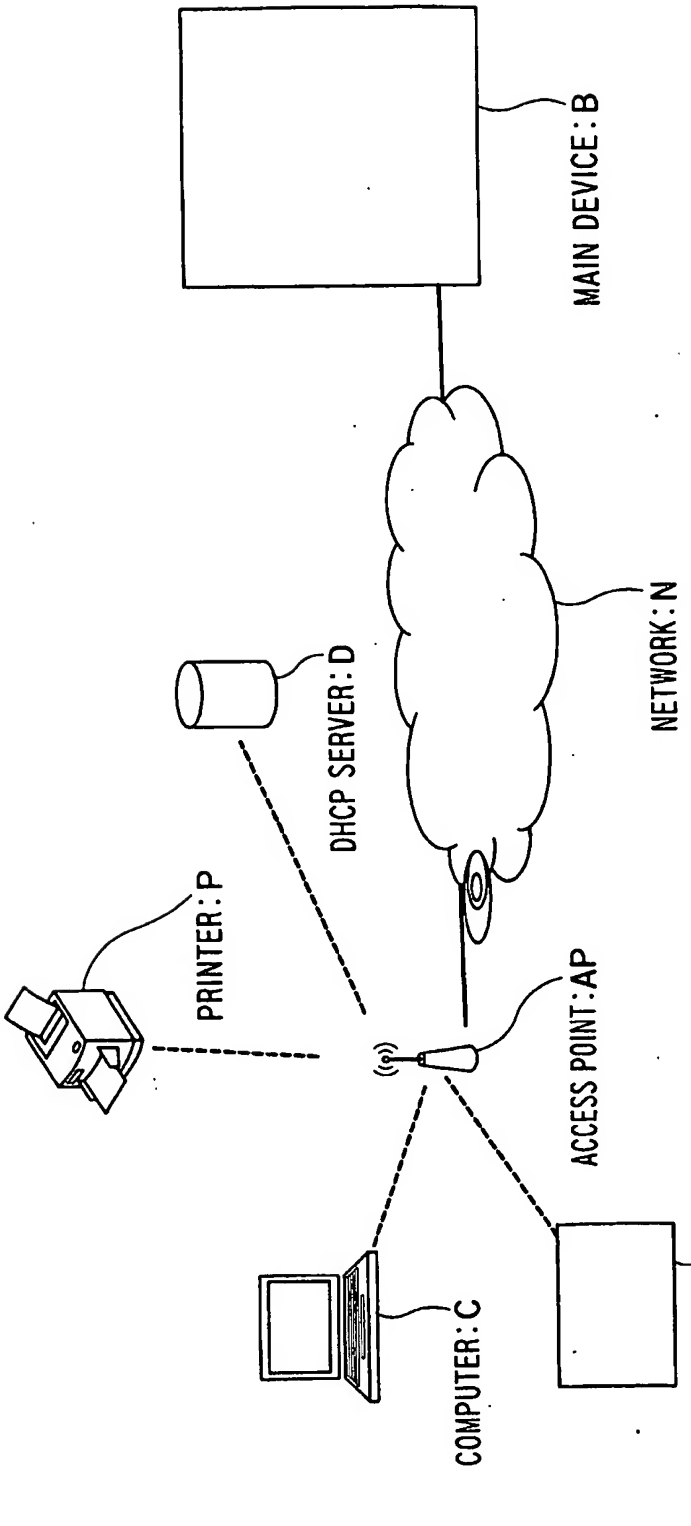
MAIN DEVICE: B
NETWORK: N
DHCP SERVER: D
PRINTER: P
ACCESS POINT: AP
COMPUTER: C
TERMINAL DEVICE: T

FIG. 1

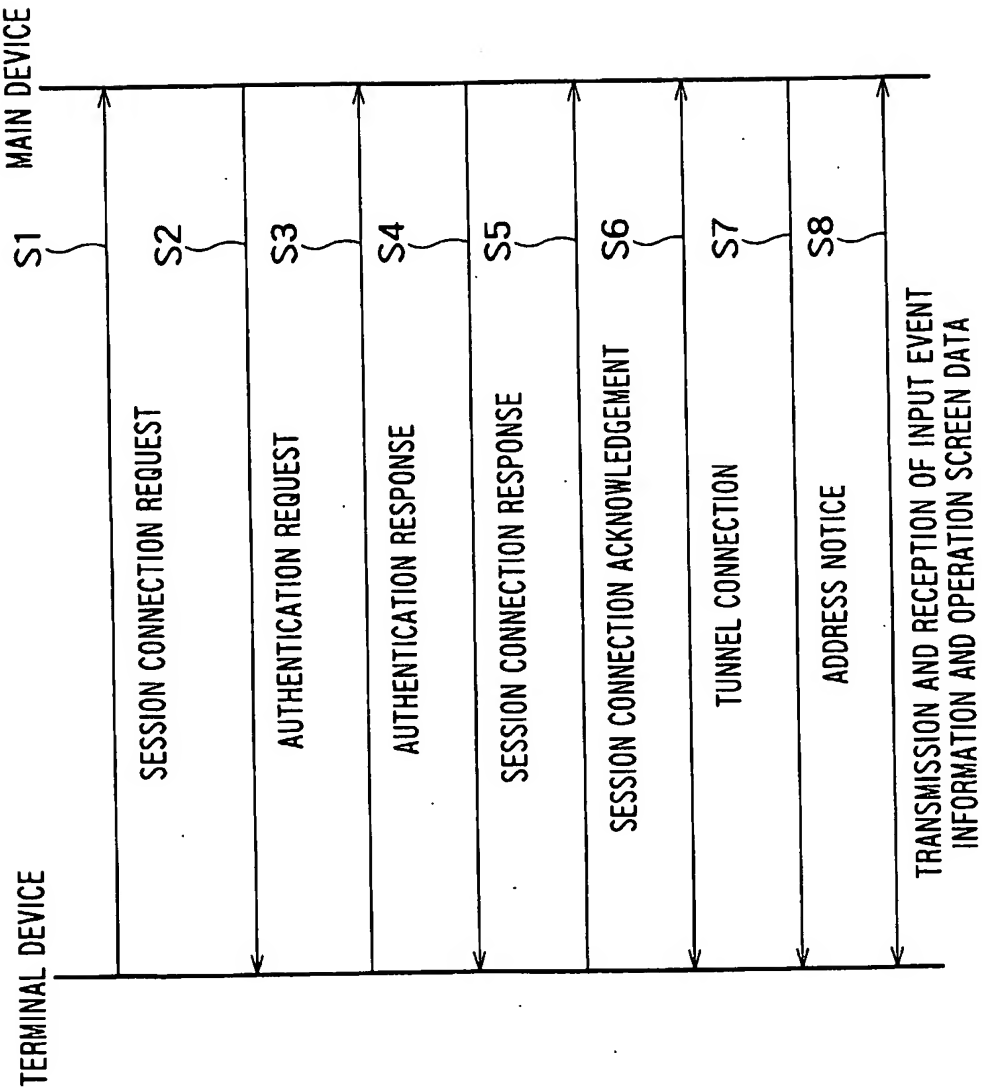
MAIN DEVICE
TERMINAL DEVICE
S1
SESSION CONNECTION REQUEST
S2
AUTHENTICATION REQUEST
S3
AUTHENTICATION RESPONSE
S4
SESSION CONNECTION RESPONSE
S5
SESSION CONNECTION ACKNOWLEDGEMENT
S6
TUNNEL CONNECTION
S7
ADDRESS NOTICE
S8
TRANSMISSION AND RECEPTION OF INPUT EVENT INFORMATION AND OPERATION SCREEN DATA

FIG. 2

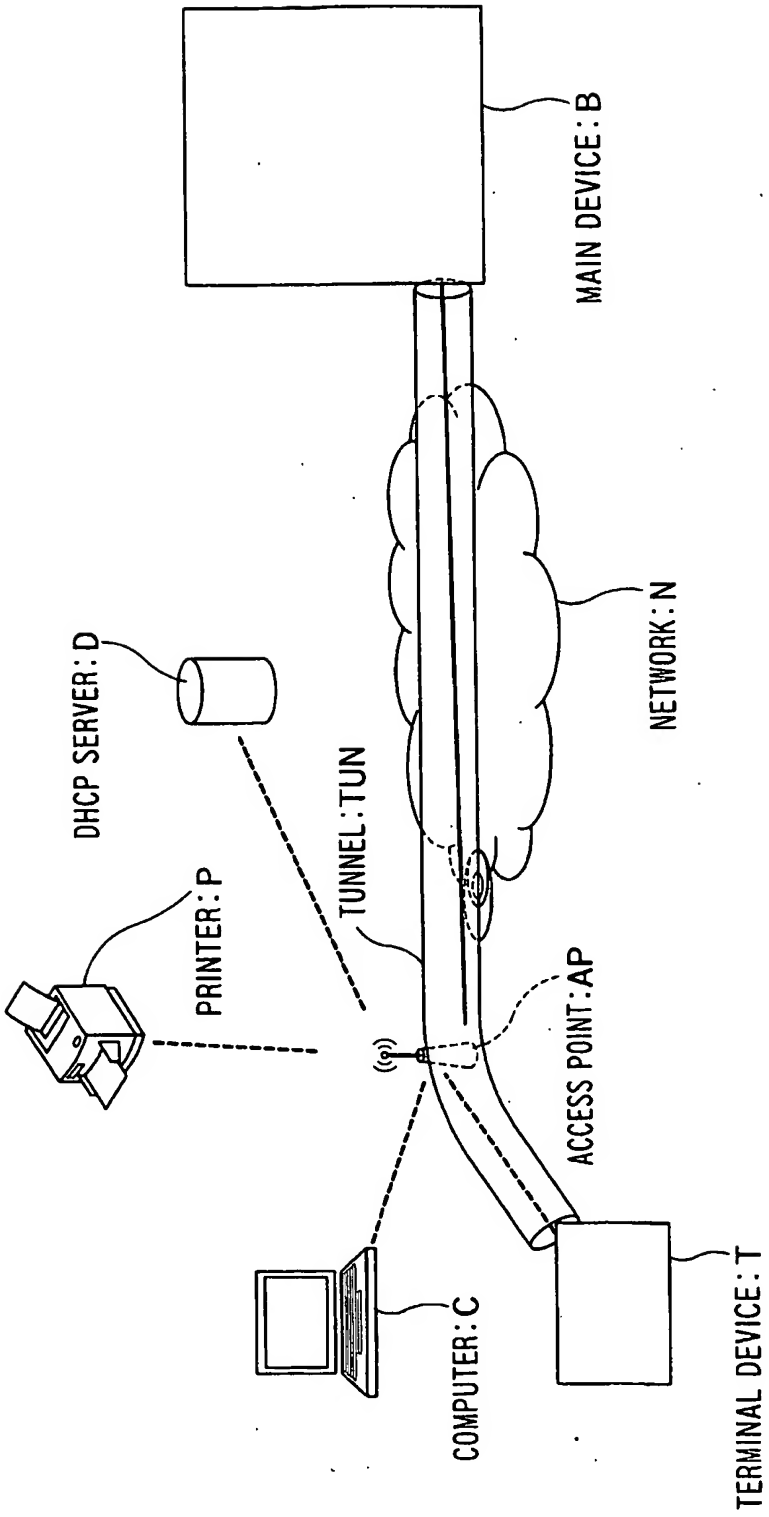
MAIN DEVICE: B
NETWORK: N
DHCP SERVER: D
TUNNEL: TUN
PRINTER: P
ACCESS POINT: AP
COMPUTER: C
TERMINAL DEVICE: T

FIG. 3

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	TERMINAL DEVICE ADDRESS	USER IDENTIFIER	COMMUNICATION PARAMETERS

FIG. 4

THE NUMBER OF ENTRIES	PROTOCOL IDENTIFIER	CODING RATE	SCREEN SIZE

FIG. 5

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	MAIN DEVICE ADDRESS	AUTHENTICATION ALGORITHM IDENTIFIER	CHALLENGE PARAMETERS

FIG. 6

IP HEADER
UDP HEADER
MESSAGE CLASSIFICATION
TERMINAL DEVICE ADDRESS
AUTHENTICATION ALGORITHM IDENTIFIER
USER IDENTIFIER
CHALLENGE PARAMETERS
AUTHENTICATION RESPONSE VALUE

FIG. 7

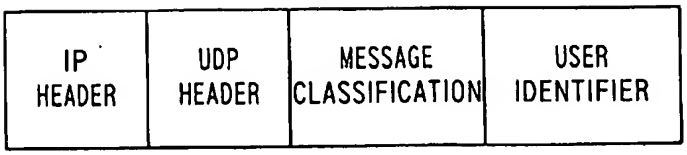

FIG. 8

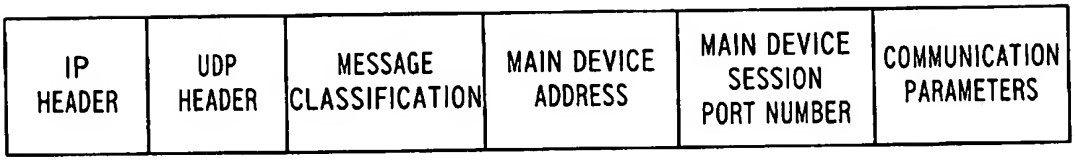

FIG. 9

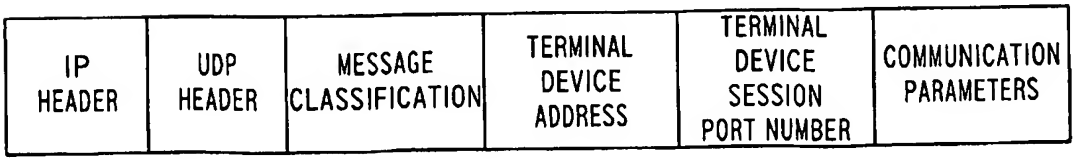

FIG. 10

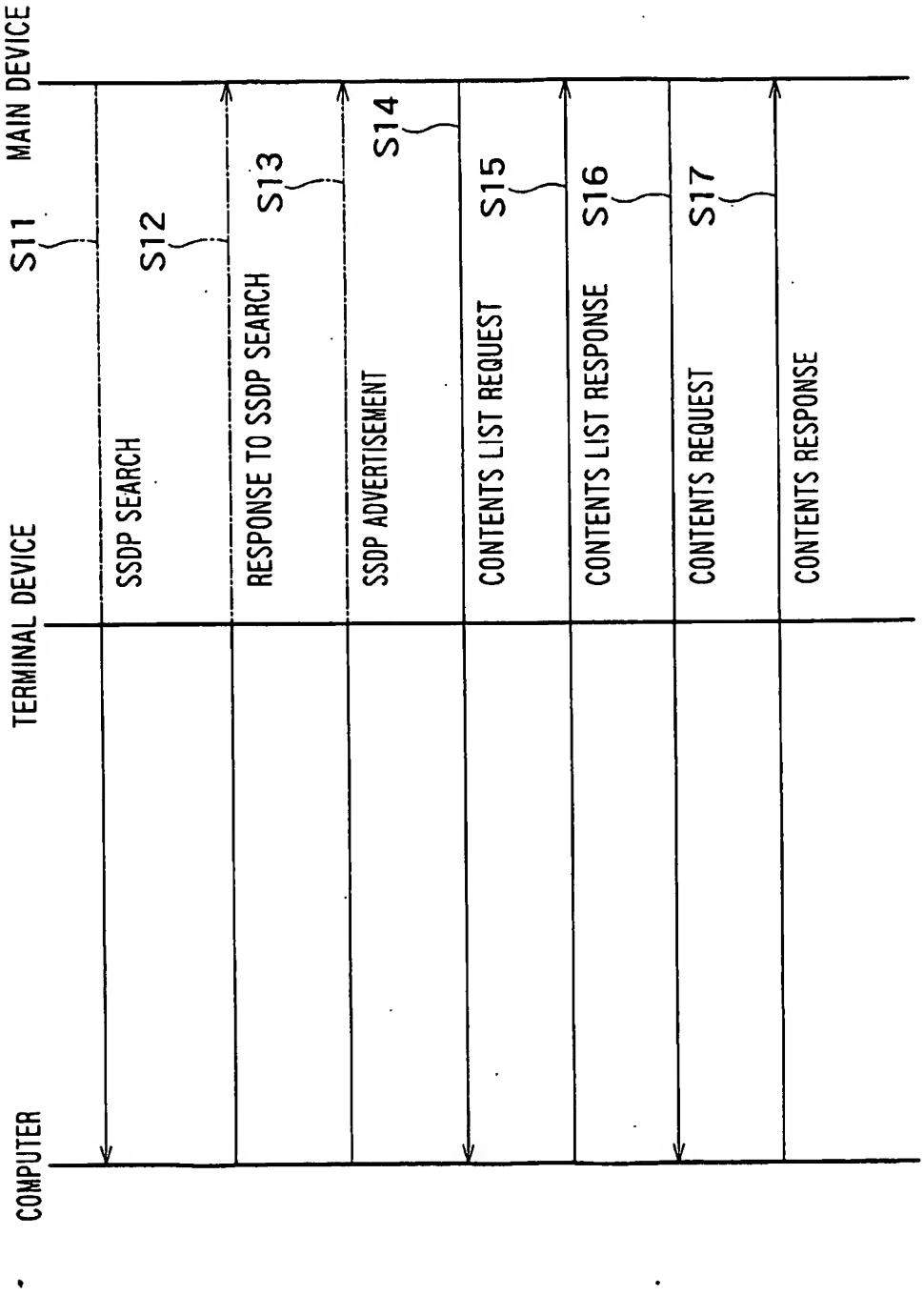
MAIN DEVICE
TERMINAL DEVICE
COMPUTER
S11
S12
SSDP SEARCH
S13
RESPONSE TO SSDP SEARCH
S14
SSDP ADVERTISEMENT
S15
CONTENTS LIST REQUEST
S16
CONTENTS LIST RESPONSE
S17
CONTENTS REQUEST
CONTENTS RESPONSE

FIG. 11

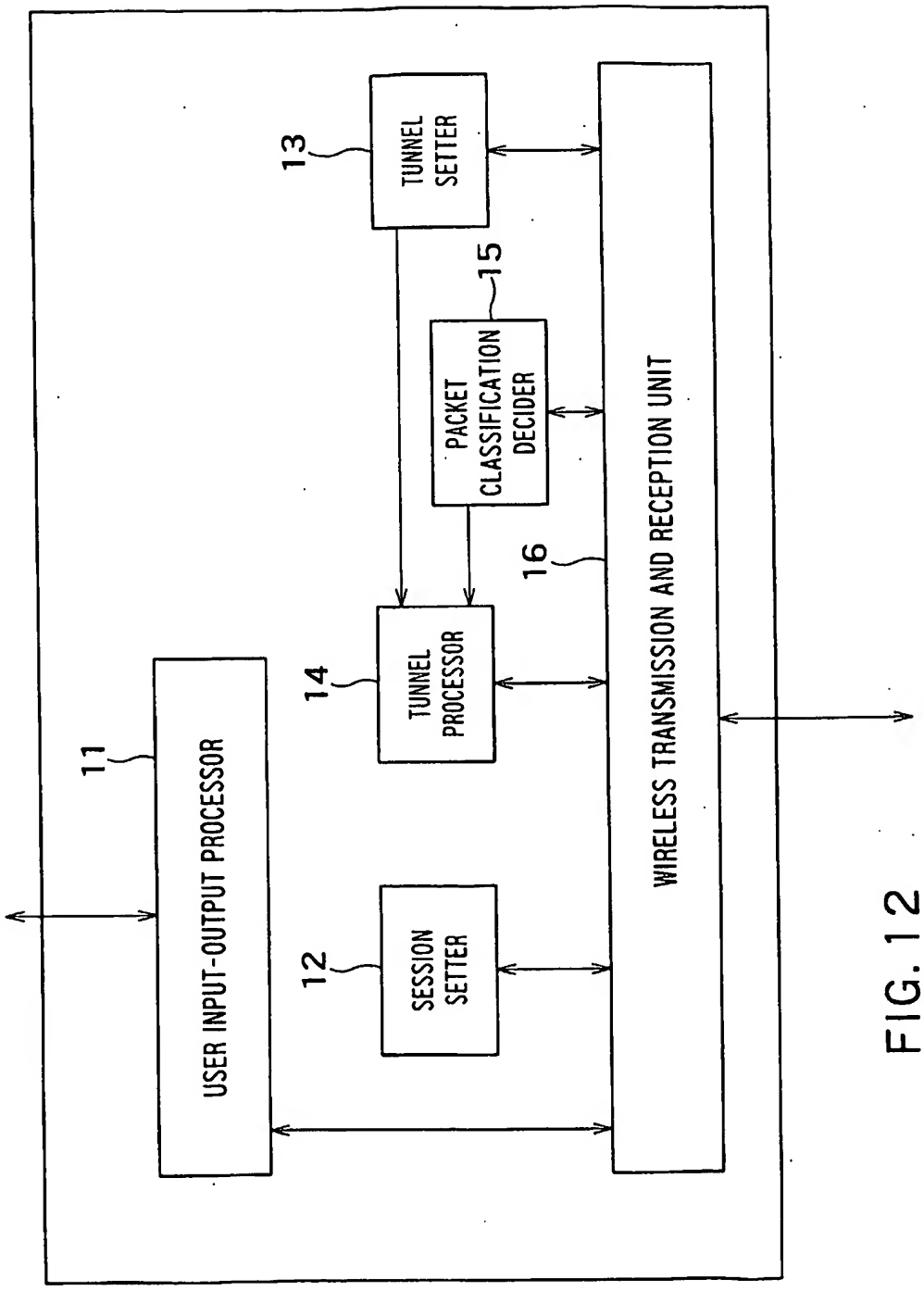
USER INPUT-OUTPUT PROCESSOR
11
SESSION SETTER
12
TUNNEL SETTER
13
TUNNEL PROCESSOR
14
PACKET CLASSIFICATION DECIDER
15
16
WIRELESS TRANSMISSION AND RECEPTION UNIT

FIG. 12

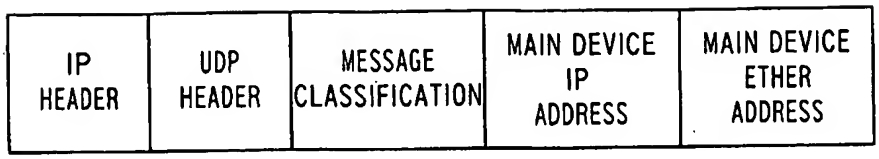
IP HEADER
UDP HEADER
MESSAGE CLASSIFICATION
MAIN DEVICE IP ADDRESS
MAIN DEVICE ETHER ADDRESS

FIG. 13

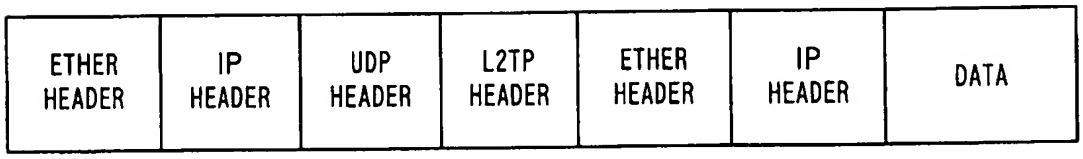
ETHER HEADER
IP HEADER
UDP HEADER
L2TP HEADER
ETHER HEADER
IP HEADER
DATA

FIG. 14

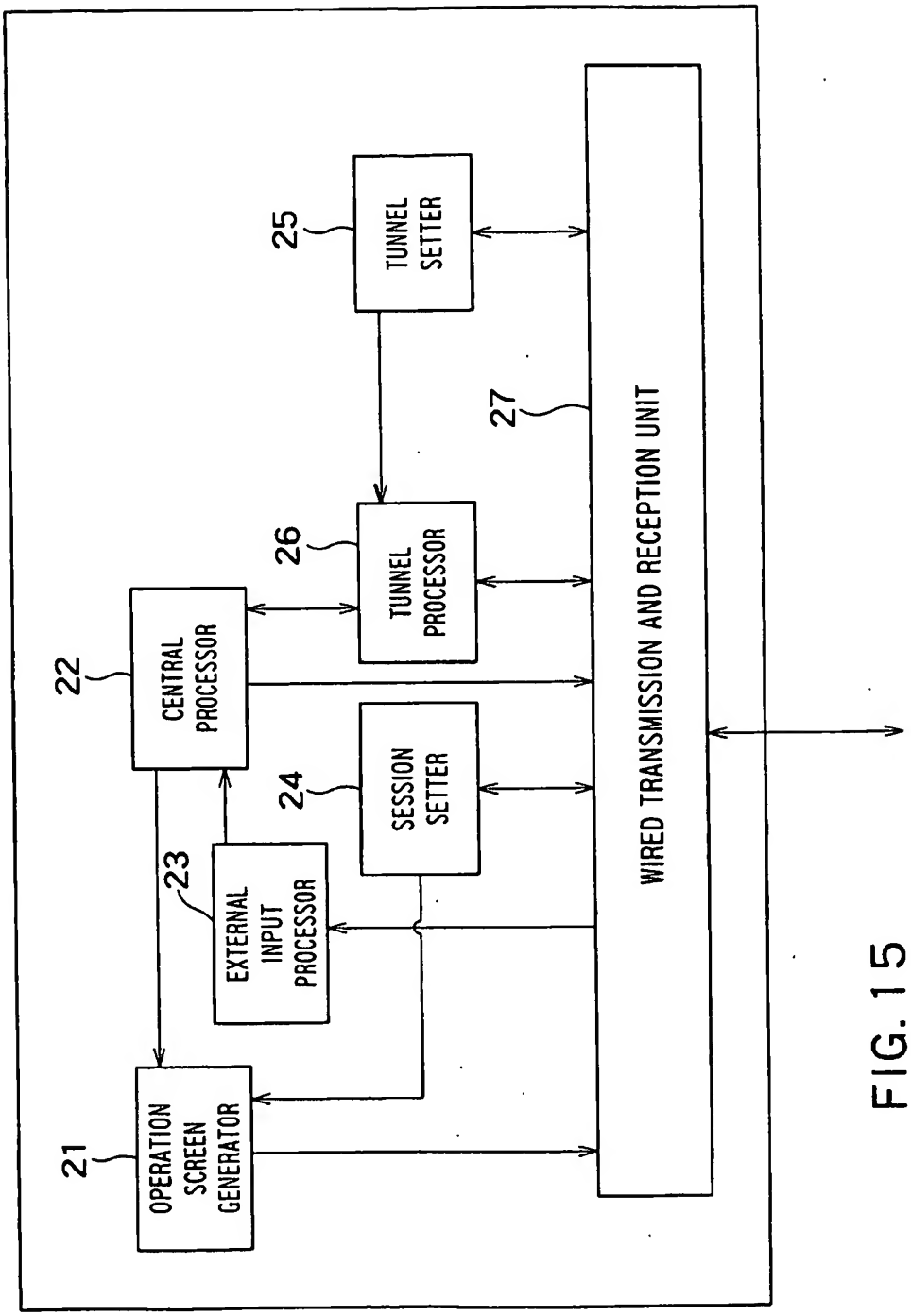
21
OPERATION SCREEN GENERATOR
22
CENTRAL PROCESSOR
23
EXTERNAL INPUT PROCESSOR
24
SESSION SETTER
25
TUNNEL SETTER
26
TUNNEL PROCESSOR
27
WIRED TRANSMISSION AND RECEPTION UNIT

FIG. 15

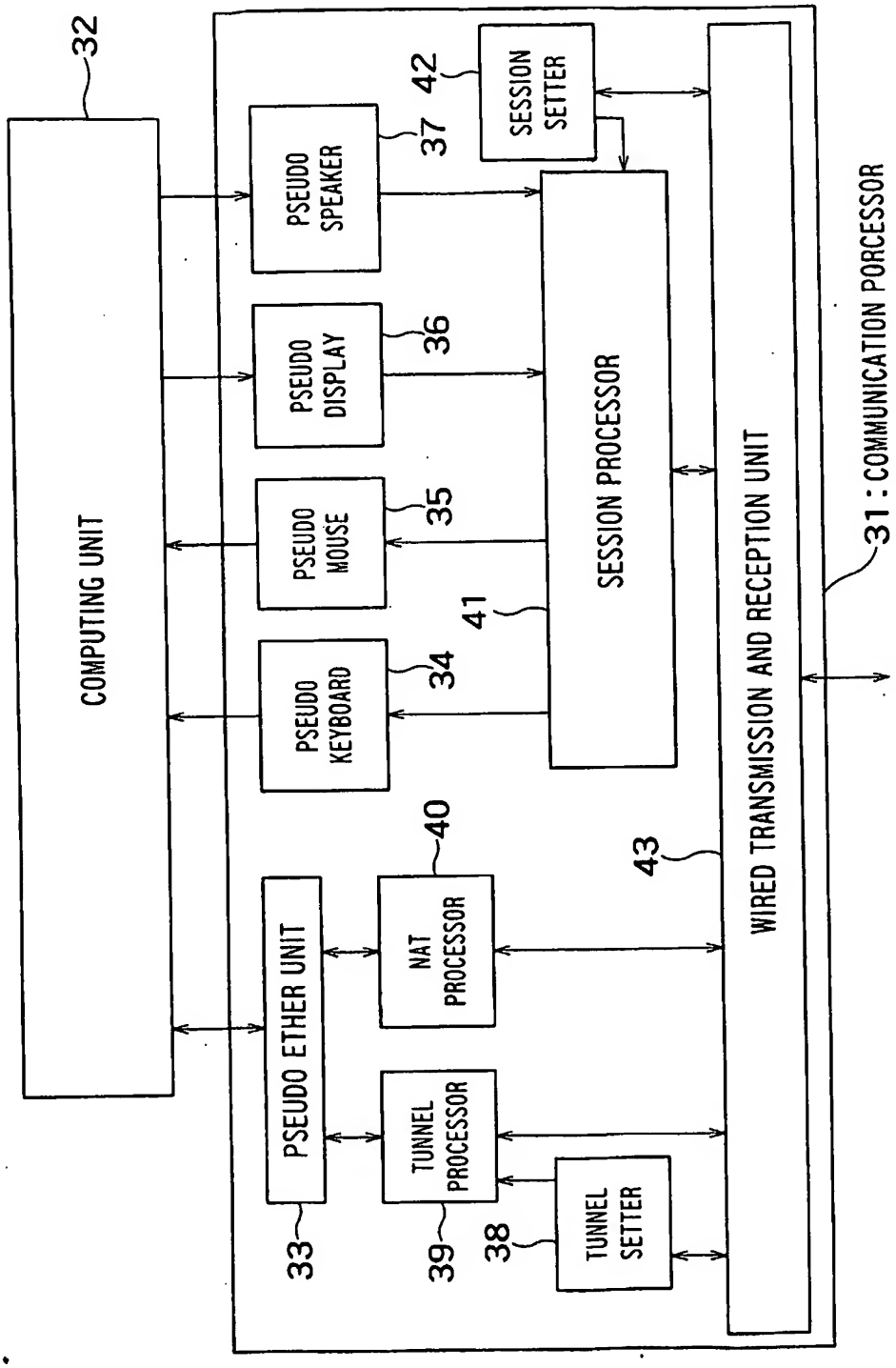
32
COMPUTING UNIT
PSEUDO SPEAKER
37
PSEUDO DISPLAY
36
PSEUDO MOUSE
35
PSEUDO KEYBOARD
34
41
SESSION PROCESSOR
42
SESSION SETTER
43
WIRED TRANSMISSION AND RECEPTION UNIT
31 : COMMUNICATION PORCESSOR
PSEUDO ETHER UNIT
33
NAT PROCESSOR
40
TUNNEL PROCESSOR
39
TUNNEL SETTER
38

FIG. 16

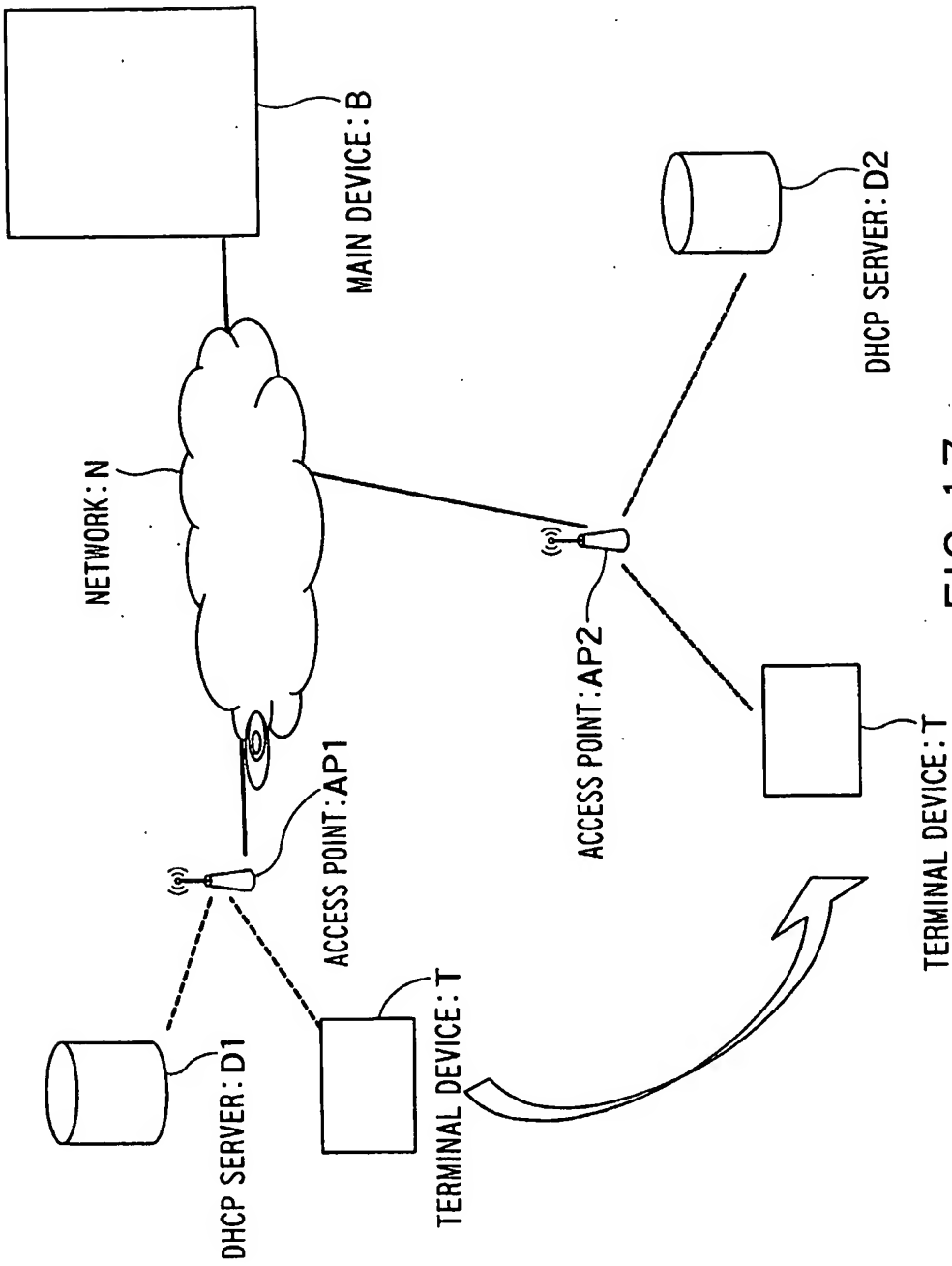
MAIN DEVICE: B
DHCP SERVER: D2
NETWORK: N
ACCESS POINT: AP2
ACCESS POINT: AP1
TERMINAL DEVICE: T
TERMINAL DEVICE: T
DHCP SERVER: D1

FIG. 17

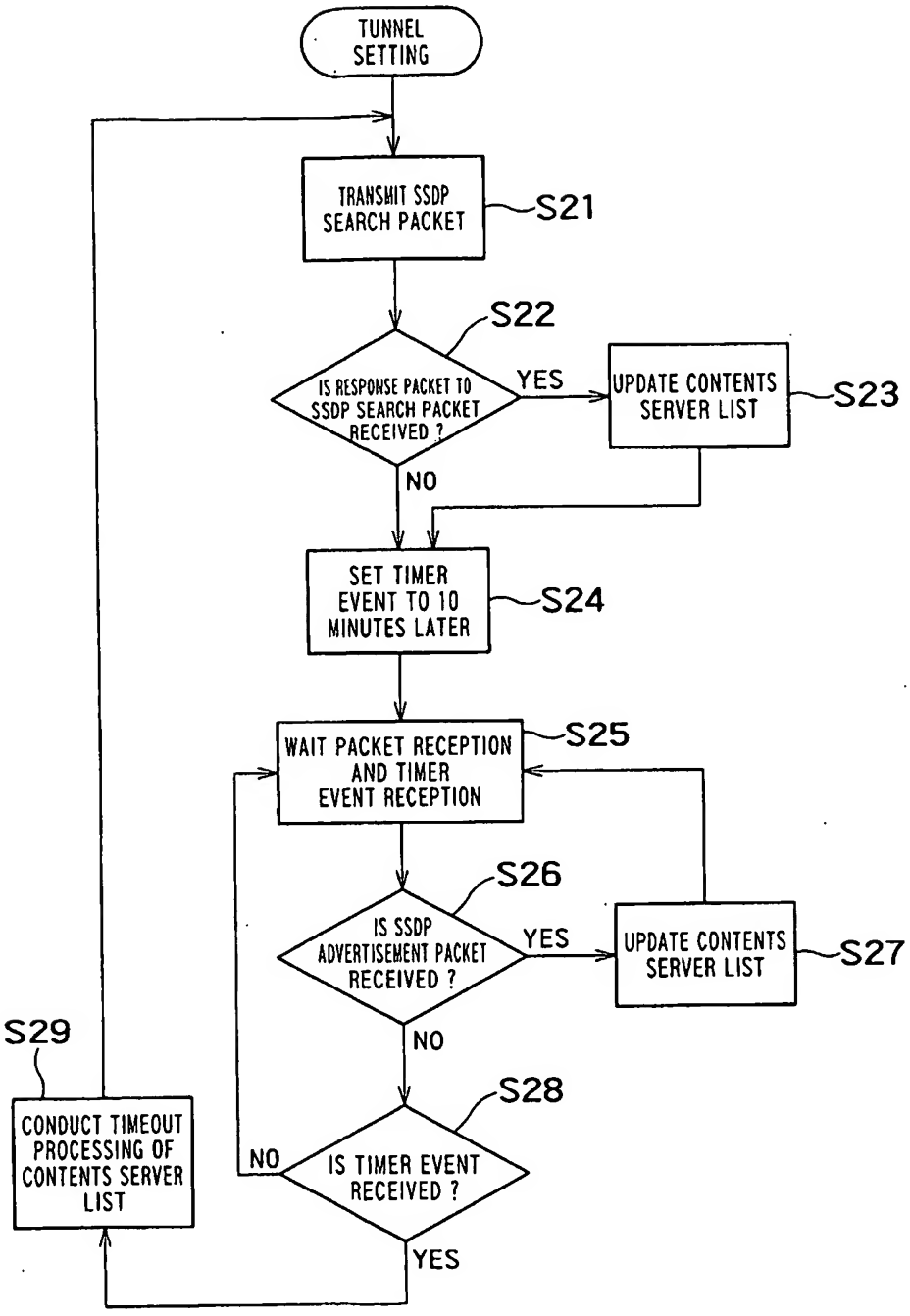
TUNNEL SETTING
TRANSMIT SSDP SEARCH PACKET
S21
S22
IS RESPONSE PACKET TO SSDP SEARCH PACKET RECEIVED ?
YES
UPDATE CONTENTS SERVER LIST
S23
NO
SET TIMER EVENT TO 10 MINUTES LATER
S24
WAIT PACKET RECEPTION AND TIMER EVENT RECEPTION
S25
S26
IS SSDP ADVERTISEMENT PACKET RECEIVED ?
YES
UPDATE CONTENTS SERVER LIST
S27
NO
S28
NO
IS TIMER EVENT RECEIVED ?
YES
S29
CONDUCT TIMEOUT PROCESSING OF CONTENTS SERVER LIST

FIG. 18

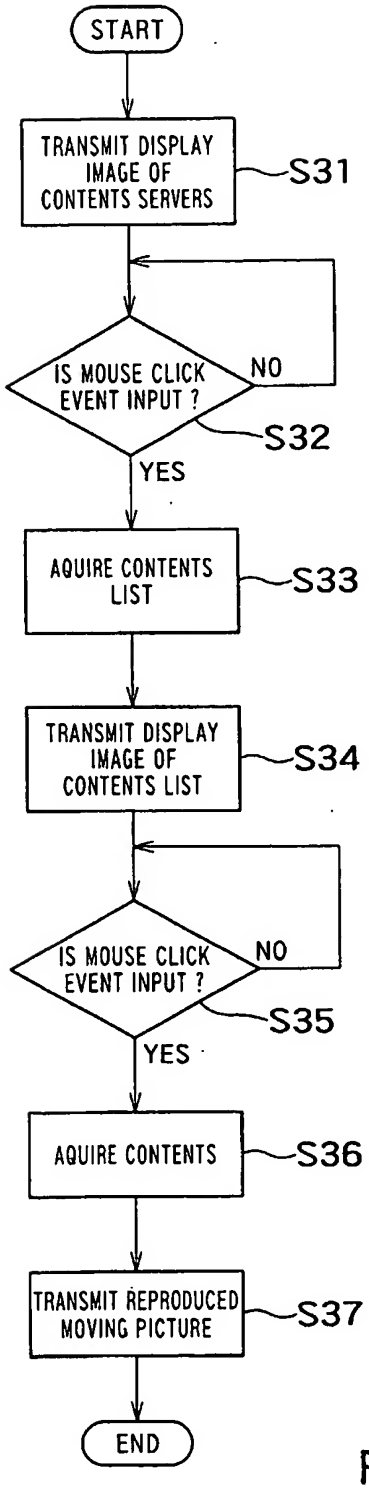
START
TRANSMIT DISPLAY IMAGE OF CONTENTS SERVERS
S31
IS MOUSE CLICK EVENT INPUT ?
NO
S32
YES
AQUIRE CONTENTS LIST
S33
TRANSMIT DISPLAY IMAGE OF CONTENTS LIST
S34
IS MOUSE CLICK EVENT INPUT ?
NO
S35
YES
AQUIRE CONTENTS
S36
TRANSMIT REPRODUCED MOVING PICTURE
S37
END

FIG. 19

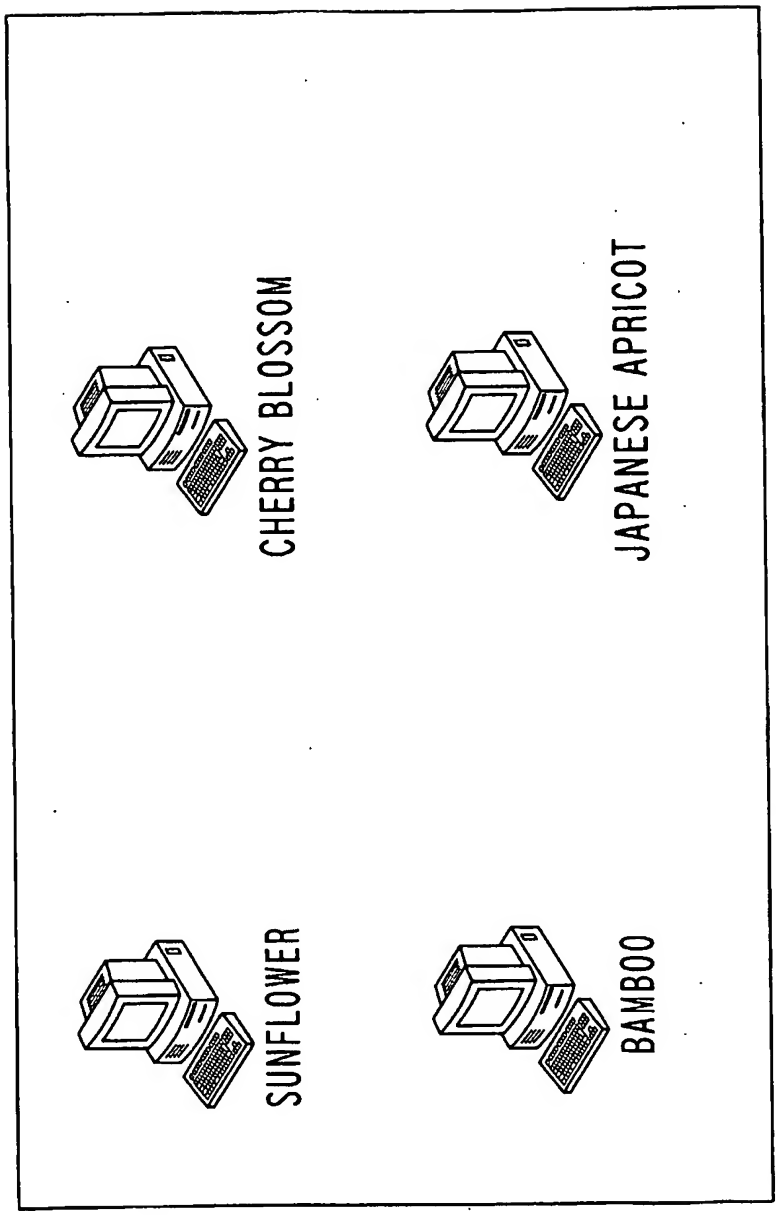

FIG. 20

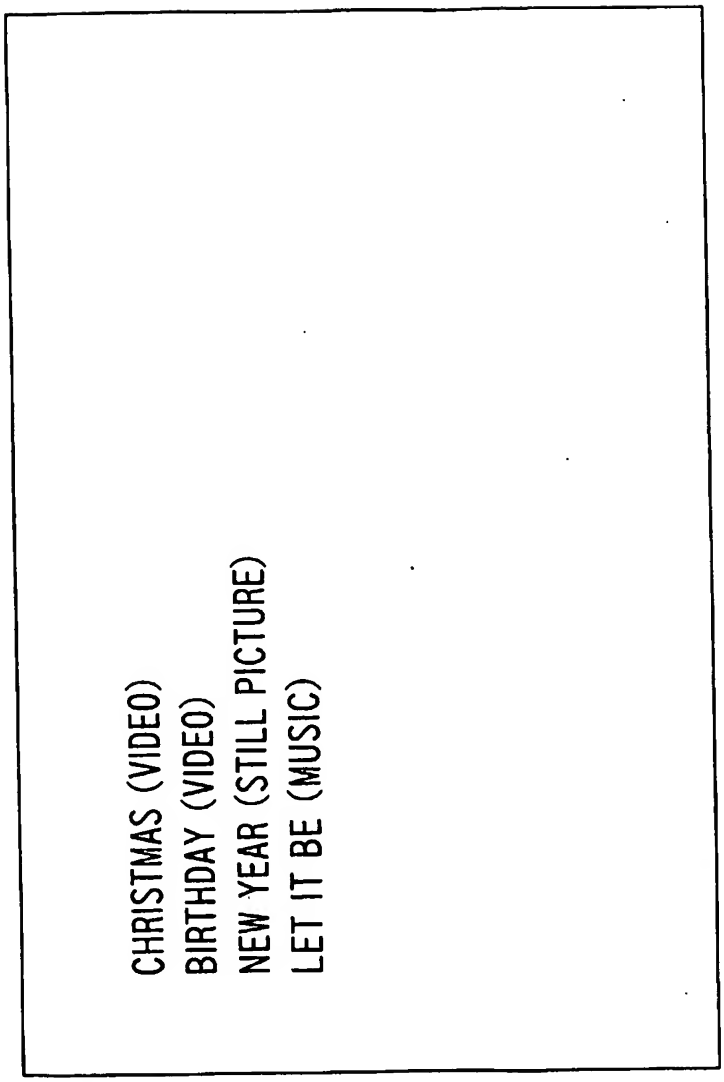
CHRISTMAS (VIDEO)
BIRTHDAY (VIDEO)
NEW YEAR (STILL PICTURE)
LET IT BE (MUSIC)

FIG. 21